MASSACHUSETTS COLLEGE OF OPTOMETRY

1967-1968

ACADEMIC CALENDAR

1967-1968

FALL SEMESTER 1967

September 11-13 ..... Examinations for removal of conditions

September 12-15 ..... Registration

September 18 ..... Fall Semester Begins

October 12 ..... Columbus Day, Holiday

November 23-26 ..... Thanksgiving Recess

December 21 - January 2 (Classes resume January 3, 1968) ..... Christmas Recess

January 15-24 ..... First Semester Examinations

SPRING SEMESTER 1968

January 25, 26, 27 ..... Registration

January 29 ..... Spring Semester Begins

February 22 ..... Washington's Birthday, Holiday

April 19 ..... Patriots' Day, Holiday

April 22-27 ..... Spring Recess

May 15-24 ..... Final Examinations

June 7 ..... Commencement

CORRESPONDENCE

All correspondence should be addressed to
Registrar, Massachusetts College of Optometry
178 Newbury Street, Boston, Mass. 02116

MASSACHUSETTS COLLEGE OF OPTOMETRY

founded 1894

Bulletin for 1967-1968

Administrative Offices:
178 NEWBURY STREET, BOSTON, MASSACHUSETTS 02116

Massachusetts Optometric Clinic:
472 COMMONWEALTH AVENUE, BOSTON, MASSACHUSETTS 02215

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A Career in Optometry

Among the most satisfying careers open to young men and women are the health professions, including optometry. They are for those persons who seek a life of service to humanity and who possess the sincere desire to help one's fellow man. Understandably, they require dedication to extended service and high ideals.

Optometry is a relatively new profession. Although vision care dates back to ancient civilization, the term "optometry" as applied to the science of vision was first used in 1903 when the American Optometric Association was founded.

Today optometry is defined as the science of visual care. In general, an optometrist deals with the functional problems of vision. He is trained to provide for the functional examination of the eyes, the identification of pathological problems and the analysis of the visual patterns of his patients; and he treats functional disturbances through the prescription of corrective lens and vision training. He can also prescribe contact lenses, subnormal visual aids and unusual visual aids as required in certain occupational pursuits. Many optometrists assist school officers in remedial reading programs, and public officials in better highway illumination programs.

Women have found optometry to be an exceptionally congenial profession. They have found its independence and private nature especially attractive. Many women optometrists have become interested in working with school children who have visual problems.

History of the College

The Massachusetts College of Optometry was first established in 1894 as the Klein School of Optics by Augustus A. Klein, M.D. The Massachusetts School of Optometry, the outgrowth of the Klein School of Optics, was incorporated in 1909 and was directed by the late Theodore F. Klein, O.D. In 1946, the Massachusetts School of Optometry was incorporated by the Commonwealth of Massachusetts as a non-profit educational institution for the advancement of optometrical education. In 1950, it was granted the right to be known as the Massachusetts College of Optometry.

The College is authorized by the Board of Collegiate Authority of the Commonwealth of Massachusetts to confer the degrees of Bachelor of Science in Optometry, Doctor of Optometry, Doctor of Ocular Science and Doctor of Humane Letters.

The immediate responsibilities of the College reside in a Board of Trustees elected by the members of the Corporation. Membership in the Corporation and on the Board of Trustees represents an assignment of a professional and civic nature with no benefits accruing to any individuals.

The College is accredited by the Council on Optometric Education of the American Optometric Association. The Council is the official accrediting body for all the schools and colleges of optometry in the United States, and is recognized by the National Commission on Accrediting. The College is approved as an institution of higher learning under Veterans Administration Regulations for training veterans under Public Law 894 and Public Law 550. It is a charter member of the Association of Schools and Colleges of Optometry.

Objectives of the College

The College seeks to prepare young men and women for the practice of optometry. In so doing, it strives to inculcate them with the highest ideals of the profession and to stimulate them to recognize their responsibilities to mankind.

The College also seeks to promote such graduate study and research which will lead to the advancement of knowledge in visual care. Through its clinics it endeavors to provide vision care to the public and through its continuing relationships with practicing optometrists, to advance the general nature of the profession.

BOARD OF TRUSTEES

G. Edward Bradley, O.D., *President*

Lynwood W. Storer, O.D., *Vice President*

Otto Hochstadt, M.D., *Secretary-Treasurer*

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Maurice H. Saval, H.L.D.

Hyman R. Kamens, A.B., B.S., O.D., *Dean, Ex-Officio*

OFFICERS OF THE COLLEGE

Hyman R. Kamens, A.B., B.S., O.D. ..... *Dean*

Frank Kozol, B.S., O.D. ..... *Registrar*

Everett Walters, A.B., Ph.D. ..... *Consultant on Academic Affairs*

Joseph A. Svagdys, Jr., B.S., O.D. ..... *Director of Clinics*

Otto Hochstadt, M.D. ..... *Director of Student Counseling and Student Health*

Vera Thienemann, B.A. ..... *Librarian*

Elinor N. Patten ..... *Secretary*

Jason H. Wolf, C.P.A. ..... *Comptroller*

Erich Heymans, L.L.D. ..... *Bursar*

FACULTY

Louis Anapolle, O.D. ..... *Associate in Optometry*
John E. Asarkof, O.D. ..... *Instructor in Ocular Pathology*
Robert E. Bannon, B.S., D.O.S. ..... *Lecturer in Aniseikonia*
Louis Bardfield, B.S., O.D. ..... *Senior Instructor in Contact Lens Fitting*
Robert L. Berk, B.S., M.A., Ed.D. ..... *Assistant Professor of General, Abnormal and Visual Psychology*
Bernard L. Berstein, A.B., B.S., O.D. ..... *Lecturer in Optometry*
Alvan G. Bluhm, B.S., O.D. ..... *Associate in Clinical Optometry*
Arthur O. Bruce, M.D. ..... *Senior Instructor in Ocular Pathology*
James J. Cammisa, M.D. ..... *Lecturer in Ophthalmology*
Harold Cline, O.D., D.O.S. ..... *Associate Professor of Physiological Optics*
Chanel Dufour ..... *Optician*
Joan Exford, A.B., M.O., O.D. ..... *Junior Instructor in Clinical Optometry*
Philip E. Friedman, B.A., B.S., O.D. ..... *Instructor in Corrective Optometry*
Otto Hochstadt, M.D. ..... *Professor of Medical Sciences*
G. Burtt Holmes, O.D. ..... *Lecturer in Contact Lens Fitting*
Donald W. Horley, O.D. ..... *Assistant Professor of Contact Lens Fitting*
Sumner Kagan, B.A., B.S., O.D. ..... *Instructor in Contact Lens Fitting*
Hyman R. Kamens, A.B., B.S., O.D. ..... *Professor of Optometrical Sciences*
Herman C. Kline, O.D. ..... *Lecturer in Occupational Vision*
Donald R. Korb, B.S., O.D. ..... *Lecturer in Contact Lens Fitting*
Frank Kozol, B.S., O.D. ..... *Assistant Professor of Mechanical Optics*
Lawrence W. MacDonald, B.S., O.D ..... *Lecturer in Optometry*
David G. MacFarlane, O.D., D.O.S. ..... *Instructor in Occupational Vision*
Marshall V. Mark, O.D., D.O.S. ..... *Instructor in Optometry*
Carroll M. Martus, A.B., B.S., M.A., O.D. ..... *Senior Instructor in Biological Sciences*
Joseph E. McDermott, B.S., O.D. ..... *Instructor in Ethics, Economics and Jurisprudence*
Robert J. McNulty, B.S., O.D. ..... *Instructor in Optometry*
Foster Namias, O.D., D.O.S. ..... *Associate Professor of Ophthalmic Optics*
Lincoln A. Palmer, O.D. ..... *Associate in Optometry*
Jack Panjian, O.D. ..... *Associate in Clinical Optometry*
Everett N. Pierce, O.D. ..... *Lecturer in Occupational Vision*
Martin Shuman, B.S., O.D. ..... *Junior Instructor in Clinical Optometry*
Edward B. Sullivan, M.D. ..... *Instructor in Embryology*
Joseph A. Svagdys, Jr., B.S., O.D. ..... *Assistant Professor of Clinical Optometry*
Ira Schwartz, B.A., B.S., O.D. ..... *Lecturer in Optometry*
Samuel Swartz, O.D. ..... *Instructor in Aniseikonia*
Samuel J. Wasserman, B.S., M.Ed., O.D. .... *Associate Professor of Geometrical and Physical Optics*

COMMITTEES OF THE FACULTY

Academic Affairs

Dr. Samuel J. Wasserman, *Chairman*
Dr. Arthur O. Bruce
Dr. Frank Kozol
Dr. Carroll M. Martus

Admissions and Promotions

Dr. Foster Namias, *Chairman*
Dr. Carroll M. Martus
Dr. Samuel J. Wasserman

Student Counseling

Dr. Otto Hochstadt, *Chairman*
Dr. Robert L. Berk
Dr. Frank Kozol
Dr. Joseph E. McDermott

Scholarships, Awards, and Loans

Dr. Foster Namias, *Chairman*
Dr. Frank Kozol
Dr. Joseph A. Svagdys, Jr.

Research and Publications

Dr. Otto Hochstadt, *Chairman*
Dr. Harold Cline
Dr. Marshall V. Mark
Dr. Samuel J. Wasserman

(Dean Hyman R. Kamens serves as a member of all faculty committees)

Alumni Association

The alumni of the Massachusetts College of Optometry are organized to promote the welfare of the College, to establish a mutually beneficial relationship between the College and its alumni, to sponsor post-graduate educational programs, and to perpetuate the spirit of fellowship among members of the Association.

GENERAL INFORMATION

College Buildings

The Massachusetts College of Optometry occupies two buildings. The main building, known as the Horace Mann Building, is located at 178 Newbury Street, near Copley Square. This four-story, fire-proof structure provides over 22,000 square feet of floor area and houses administrative and faculty offices, the medical sciences laboratory, the biological sciences laboratory, the optics laboratory, the physics laboratory, lecture halls, the library and reading rooms, student lounges and locker rooms, and snack bar.

The Clinic Building is located at 472 Commonwealth Avenue, in the heart of Boston's medical center. A five-story brick structure, it encompasses 8,500 square feet of floor area and houses the clinic, the mechanical optics laboratory, the optometry practice laboratories, and administrative offices.

Clinic

The Massachusetts Optometric Clinic is a department of the College. Located at 472 Commonwealth Avenue, in Kenmore Square, it is especially well adapted for clinical practice.

The clinic is equipped with a variety of modern instruments which enable fourth year students, serving as internes, to become familiar with all types of optometrical instrumentation.

The following clinics are maintained: refraction, contact lens fitting, vision training and orthoptics, visual field study, ocular pathology, and subnormal vision. Numerous social agencies in Greater Boston refer patients to these clinics for complete eye and vision service.

Visual screening surveys are conducted in schools and community centers.

Library Facilities

The library of the College contains a wide selection of reference books in the basic, biological, optical, ophthalmological and optometrical sciences. Standard volumes in general medicine, together with a collection of reprints and current periodicals, are also available.

In addition to the library, the College provides two reading rooms with a total seating capacity of fifty.

The library is open to students, with a librarian in charge, daily from 9:00 A.M. to 4:45 P.M., Monday through Friday. Students may borrow books according to library regulations.

Students also have access to the facilities of the Boston Public Library and the Boston Medical Library for general reference and study.

Requirements for Practice

Inasmuch as the optometry law of each state fixes the requirements for examination for licensure, it will be well for the prospective student to acquaint himself with the requirements of the state wherein he intends to practice. This information may be obtained by communicating with the secretary of the examining board in optometry.

ADMISSION TO THE COLLEGE

Requirements

Applicants for admission must have at least 60 semester hours credit from an accredited senior or junior college with a grade point average of not less than C (2.0).

The minimum course requirements for entrance to the first year class are:

General Chemistry	8 semester hours
English Composition	6 semester hours
*Mathematics	6 semester hours
General Physics	8 semester hours
General Psychology	3 semester hours
Biological Sciences	8 semester hours
**General Biology	
General Zoology	
Vertebrate Zoology	
Comparative Anatomy	
Electives	21 semester hours
	60 semester hours

*Although not required, a course in analytic geometry is highly recommended.
**Botany is not acceptable.

The courses necessary to make up the required number of credits are elective, preferably in cultural subjects.

In the selection of students, the Committee on Admissions and Promotions will give precedence to candidates in the order of their scholastic rank as evidenced by their college transcripts.

The College seeks to select for its student body those who not only meet the academic requirements for admission but who also give promise of acquitting themselves creditably in the training program and of being useful members of the profession of optometry after graduation.

Candidates who have been accepted are required to take supplementary aptitude and psychological tests during the first week of attendance. These tests are used primarily to aid the College in counseling its students.

Procedure

New students are admitted to the College only at the beginning of the Fall Semester.

Application forms for admission may be obtained from the Registrar. Completed application forms and the required supporting credentials should be filed with the Registrar well in advance of the opening of the academic year in order to facilitate admission.

Applicants must submit the following:

1. A completed application form.
2. Transcripts of all high school and college work; such transcripts should be sent directly from these institutions to the Registrar.
3. Two letters of recommendations from responsible persons, preferably from optometrists or other professional persons who can evaluate the applicant's potential as an optometrist.

Upon notification of acceptance, applicants are required to make a deposit of $100 to reserve a place in the class. This deposit is credited to the first semester's tuition at the time of registration but it is not refundable except to veterans upon receipt of their certificate of eligibility. Also upon acceptance, applicants are required to submit for identification purposes, a recent photograph no larger than 2″ x 2″ in size.

The Committee on Admissions and Promotions reserves the right to reject any applicant. All credentials submitted become the property of the College.

Candidates accepted for admission are required to be present at the College on the specified date for registration.

ACADEMIC INFORMATION

Grading System

The grading system is as follows:

Excellent	90-100
Above Average	80-89
Average	70-79
Low Pass (Condition)	60-69
Failure	Below 60
Withdrawn while passing	WP
Withdrawn while failing	WF

Clinical and laboratory work are reported as "Complete" or "Incomplete."

No grades are issued to students who are under financial obligation to the College.

Academic Requirements

The Committee on Admissions and Promotions evaluates the scholastic achievements of all students.

In two-semester courses, grades for the first semester are regarded as indicative of the progress being made by students. Promotion is based on the final grade for each course.

For students who receive failing or conditional grades, the following rules apply:

1. Students who fail two courses or receive conditional grades in three courses are dismissed.
2. Students who receive two conditional grades, or fail one course and receive one conditional grade, are required to take comprehensive examinations in these courses.
3. Students who receive one conditional grade may be promoted.
4. Students must maintain a G.P.A. of at least 2:00 in order to advance to a higher grade.

Withdrawal

A student in good scholastic standing who is not subject to disciplinary penalties is entitled to honorable withdrawal at any time. But if a student ceases to attend classes during the school year without communicating with the Dean, his record will be marked to indicate failure in all courses for the semester from which he has absented himself. A student desiring to withdraw from the College should request permission to do so from the Dean.

A student who has been granted an honorable withdrawal from the College may be reinstated subsequently, provided not too long a time has elapsed and provided further that changes in the curriculum do not render such readmission impracticable. Decisions in all cases rest with the Committee on Admissions and Promotions.

No student under the age of twenty-one shall be entitled to an honorable withdrawal without the assent of his parent or guardian furnished in writing to the Dean.

Graduation and Degrees

All candidates for degrees conferred by the College must be recommended by the faculty and officers to the Board of Trustees. To be recommended for graduation, candidates must meet the following requirements:

1. Satisfactory completion of all required courses by regular enrollment and attendance in the College.
2. Satisfactory completion of all clinical assignments.
3. Payment of all financial obligations to the College.
4. Compliance of all rules and regulations of the College.

The College awards the following degrees:

Bachelor of Science in Optometry (B.S.)

Candidates for this degree become eligible after having completed satisfactorily the third year of the four year professional curriculum in Optometry. The degree is awarded only at the time the Doctor of Optometry is conferred.

Doctor of Optometry (O.D.)

Candidates for this degree must have satisfactorily completed all courses of the four year professional curriculum in Optometry.

Doctor of Science in Optometry (D.O.S.)

This is an honorary degree conferred upon those who have rendered distinguished service to the profession of Optometry and to the field of visual science.

Doctor of Humane Letters in Optometry (H.L.D.)

This is an honorary degree conferred on individuals who have proven to be outstanding benefactors to the College and have rendered distinguished service to the profession.

Tuition and Fees

Application fee (payable with application — non-returnable)	$ 10.00
Matriculation fee (payable only once, on entry — non-returnable)	10.00
Late Registration Fee	10.00
Tuition, per academic year (payable one-half at the beginning of each semester) (includes all laboratory fees)	1000.00
Student Activities fee (payable one-half at the beginning of each semester)	15.00
Student Physical Examination fee (payable each year on registration)	5.00
Microscope Rental fee (per year)	5.00
Clinic Fee (payable by fourth year students only; one-half at the beginning of each semester)	10.00
Special and Retake Examination fee (per examination)	5.00
Transcript of Credits (each copy after the first)	1.00
Graduation and Certificate fee (payable before final examinations and non-refundable)	25.00
Duplicate and New Certificates	10.00
Deferred Payment fee	10.00

Note: P.L. 550 Veterans are expected to pay all fees and charges in the same way as non-veterans.

Refunds

The College provides all instruction and accommodation on an academic term basis; refunds on tuition fees are granted only when students are compelled to withdraw to enter the armed forces of the nation. When a refund is granted, such refund is computed on the following basis:

Period of Attendance	*Portion of Tuition Charged*
One week or less	10 percent
Between one and two weeks	20 percent
Between two and three weeks	40 percent
Between three and four weeks	60 percent
Between four and five weeks	80 percent
After five weeks	100 percent

Refunds are not granted on other fees paid.

Dishonorable dismissal or expulsion does not entitle the student to a refund of any fees.

Expenses for Books, Supplies and Equipment

Students are required to equip themselves with the prescribed textbooks, instruments, and supplies. The cost of books and supplies in the first year is about $70.; in the second year, about $51.; in the third year, about $52.; and the fourth year, about $52.

The following equipment is required of all students during their period of training: trial lens set, trial frame, schematic eye, diagnostic set, mechanical optics tool kit, and dissecting set. This equipment amounts to about $375. under present market conditions.

Each student assigned to clinics is required to provide himself with regulation apparel, and to keep it laundered and neat at all times.

The faculty reserves the right to make such additions and changes in the list of prescribed textbooks, instruments, and equipment as are deemed advisable.

Policy on Program and Fee Changes

The College reserves the right to withdraw, modify, or add to the courses offered or to change the order or content of courses.

The College reserves the right to change its calendar, tuition fee and other fees, the requirements for graduation, and other regulations. No change in fees will become effective, however, until the school year following that in which it is announced.

Any changes in policy will be applicable to all students in the school, including former students who may re-enter.

Applications for undergraduate scholarships must be filed with the Committee on Scholarships and Awards before September 1st of the year in which the applicants desire to begin their studies.

Applications for graduate scholarships must be filed with the Committee on Scholarships and Awards before June 1st of the year in which the applicants desire to begin their graduate studies.

Applications for all scholarships are available upon request from the Bursar.

Massachusetts Society of Optometrists' Scholarships

The Massachusetts Society of Optometrists offers four $200 scholarships annually to worthy students who give promise of achievement in the study of optometry.

Students who are awarded these scholarships are eligible for continued payment of the stated sum as long as they continue to maintain grade levels placing them in the upper half of their classes and continue to demonstrate need for financial assistance.

Applicants must be residents of Massachusetts. Applications must be filed no later than October 1.

Alumni Association Tuition Scholarships

The Alumni Association makes available two scholarships to be awarded on the basis of need and academic ability. These scholarships are applied to the students' tuition fee. The recipients of the scholarships will be selected by the faculty Committee on Scholarships and Awards.

The first scholarship in the amount of $200 is made to a qualified fourth year student. The second scholarship in the amount of $300 is made to any qualified upperclassman. This is a grant-in-aid scholarship, and in partial compensation for this, the recipient shall assist the officers of the Alumni Association in its business during the academic year.

National and State Auxiliaries Scholarships

The Woman's Auxiliary of the American Optometric Association, together with the Woman's Auxiliary of state affiliated groups, provide one-year tuition scholarships of $250.

The College augments this amount with an additional $250, offering two such $500 scholarships each year to duly qualified students admitted through the Woman's Auxiliary.

Woman's Auxiliary Massachusetts Society of Optometrists

The Woman's Auxiliary to the Massachusetts Society of Optometrists will contribute $150 toward the tuition of a needy and worthy student who is eligible for admission to the Program of Study in Advanced Optometry leading to the Doctor of Optometry degree.

The College will augment the contributions made by the Auxiliary by a matching amount.

Applicants must be residents of Massachusetts and must signify their intention to practice within the Commonwealth.

Optical Wholesalers Association of New England Scholarships

The Optical Wholesalers Association of New England offers annually an undergraduate scholarship of $375, and a graduate scholarship of $300 to needy and worthy students who reside in New England. Undergraduates must have completed at least the first semester of the second year to qualify.

Applications for the undergraduate scholarship should be filed no later than March 1st, and applications for the graduate scholarship should be filed no later than June 14th.

The Young Contact Lens Laboratory Scholarship

The Young Contact Lens Laboratory Scholarship of $300 is available annually to a needy and worthy student.

Health Professions Scholarship Fund

This Fund is available to students from low-income families. In 1967-68, this program will be available to first year students and those who have received the grant. The maximum amount of each scholarship is $2500. per year.

LOANS

Western District Massachusetts Society of Optometrists Auxiliary Loan Fund

The Western District Massachusetts Society of Optometrists Auxiliary Loan Fund was established to aid students who are in need. Loans are available to students who have completed one academic year of study at the College. The loans must be repaid not later than one year after graduation.

The Rose and David Berlowitz Student Assistance Fund

The Rose and David Berlowitz Student Assistance Fund of $500 was established to provide needy and deserving students with the opportunity to make loans to meet financial emergencies. Loans are available to students who have completed one year of study at the College. The loans must be repaid not later than one year after graduation.

Emergency Loan Fund of The Alumni Association of The Massachusetts College of Optometry

The Alumni Association of the Massachusetts College of Optometry has established an Emergency Loan Fund of $200 to be made available annually to meet the emergency needs for small loans by members of the student body. The administration of this Fund is left to the discretion of the Dean.

Health Professions Student Loan Program

The College qualifies for participation in the Health Professions Student Loan Program. This Program, inaugurated to encourage capable students to enter the health care field provides that loans may be made only to students who are deemed both needy and worthy and are pursuing a full-time course of study leading to the degree, Doctor of Optometry. Under the Health Professions Student Loan Act, no new or first time loans may be made after June 30, 1966. Students who received a loan prior to July 1, 1966, are eligible for additional loans until June 30, 1969.

The Act provides that a borrower shall repay his loan "over the ten year period which begins three years after the student ceases to pursue a full-time course of study." Interest does not begin to accrue until the ten year repayment period begins. Periods of up to three years of active military service and up to three years as a member of the Peace Corps are excluded from the ten-year period and repayment is not required during such periods.

HONORS AND AWARDS

Graduation with honors are conferred upon students for distinguished scholarship in the courses in the professional curriculum. Students who have earned an average of 95 to 100 graduate Summa Cum Laude; those who have earned an average of 90 to 95 graduate Magna Cum Laude; and those who have earned an average of 85 to 90 graduate Cum Laude.

The Theodore F. Klein Memorial Award

Each year the Board of Trustees makes an award of $200 to that member of the first year class who achieves the highest scholastic average in all courses in the first year curriculum.

The Joseph J. Scanlon Award

This award is made available annually by the Zeta Chapter of the Omega Epsilon Phi Fraternity to that member of the graduating class who has the best record for efficiency in clinical work.

The Pi Omicron Sigma Fraternity Award

This award is made available annually by the Pi Omicron Sigma Fraternity to that member of the graduating class who achieves the highest grades in theoretical and applied optometry.

The Daniel Kuperstein Memorial Award

This award of $100.00 is made available annually by The Kuperstein Family to the member of the graduating class who has achieved the highest scholastic average in Ophthalmic Optics.

Valedictory Award

This award is made available annually by the Faculty of the College to that member of the graduating class who achieves the highest general average in the courses of the professional curriculum.

Alumni Association Award

The Alumni Association of the College offers an Alumni Plaque annually to that member of the graduating class who has achieved an outstanding scholastic and extra-curricular record.

Beta Sigma Kappa Award

The Beta Sigma Kappa International Honorary Society awards a silver medal annually to that member of the graduating class, designated by the Dean, who has the most outstanding record of scholarship, leadership, and talent.

Dr. Ralph H. Green Gold Medal Award

This award is made available annually by Dr. Domenic V. Capone to the member of the graduating class who has achieved the highest scholastic average in Physiological Optics.

Dean's List

A dean's list, issued at the end of each semester, contains the names of students who have received a grade of 80 or better in each course with an average (weighted) of 85 or better in a minimum of four courses taken during the preceding period. No student is eligible for the dean's list if he is incomplete in his laboratory work.

STUDENT ACTIVITIES

The College regards student activities as an integral part of its educational program and encourages the participation of students in extra-curricular activities. To this end, the students will find organizations and activities which provide opportunities for rounding out the scholastic program.

Camera Club

The Camera Club welcomes students interested in photography. The College has provided the Club with two darkrooms for developing and printing.

Student Council

The Student Council is an organization of representatives chosen by the students according to the terms of a constitution duly drawn up and adopted by the student body. The Council serves with a faculty adviser in the consideration and solution of problems presented to it by the administration and by the students. The Council has been most successful in its work of serving both the students and the administration of establishing and maintaining cooperation and good spirit.

Publications

The SCOPE, a monthly publication prepared, edited, and published by the students with the counsel of a faculty adviser, contains technical articles, school and social news, and other matters of interest to the student body.

The annual yearbook, REFLECTIONS, is published by the graduating class. It contains the class history, pictures of all the graduates, of the faculty, and of undergraduate groups, as well as a miscellany of snapshots and subjects of interest to the graduating class.

Fraternities and the Sorority

There are at present two Greek-letter fraternities and one sorority. Each organization is provided with a faculty adviser who is responsible for the proper administration of its affairs. Elected representatives from each organization make up the Pan-Hellenic Council, a body which has preliminary jurisdiction over fraternity and sorority regulations.

Class Organization

Each class elects its own officers and carries on activities as a class. Social functions are sponsored throughout the year. The senior class plans a number of activities just prior to Commencement.

The Dames Club

The wives of students of the College constitute the Dames Club. All students' wives are invited to become members.

The Club prepares each wife for her important role in her husband's career by means of a well-balanced educational program. Speakers, movies and informative reading material are provided. Members are informed of the aims and objectives of the Women's Auxiliary of the American Optometric Association. In addition to sponsoring a number of social activities, the Club also sponsors activities of a charitable nature.

STUDENT SERVICES

Student Health

Each student is given a complete physical examination each year for the detection of disease and physical defects which might interfere with his success as a student as well as in the practice of optometry. Medical advice and counsel are given to those who are in need of medical attention.

A first-aid room is provided in the Administration Building where the College physician may give treatment for minor illnesses and minor accidents.

Student Counseling

A carefully integrated plan of guidance, under the direction of the Faculty Committee on Student Counseling, has been organized to give whatever help may be needed by the students. The program consists of four services:

1. Academic Counseling
2. Health Counseling
3. Socio-psychological Counseling
4. Professional Counseling

In addition, the services of all members of the Faculty are available for advice and guidance. Personal relations between students and instructors are unusually close, thus making the counseling program remarkably effective.

Living Facilities

The College does not maintain dormitories, but students may secure comfortable living quarters in the immediate vicinity.

The Y.M.C.A., 316 Huntington Avenue, has a register of inspected and approved rooming houses for men students.

Women students may secure rooms and board at reasonable rates at the Students House, 96 The Fenway; The Franklin Square House, 11 East Newton Street; or Brooke House, 79 Chandler Street, all of which are for women only. Early reservations are advisable.

Recreation

Students will find in Boston a host of cultural, educational, sports and recreational opportunities. These include the world-famous Boston Symphony, an opera company, several theatrical stock companies, many New York theatrical performances (including pre-Broadway openings) and well-equipped movie theatres. In the Greater Boston area there are a host of well-known institutions of higher learning and a score of junior colleges. There are many important museums. The professional basketball, baseball, football and hockey teams are among league leaders.

Among the readily available recreational opportunities are swimming, skiing, boating, hockey, bowling, fishing and hunting.

Many students will find enjoyment in the historic sites, houses and museums at such memorable places as Plymouth, Bunker Hill, Lexington, Concord and downtown Boston.

CURRICULUM

First Year

First Semester	*Lect.*	*Lab.*	*Credit*	*Second Semester*	*Lect.*	*Lab.*	*Credit*
History of Optometry	1	0	1	History of Optometry	1	0	1
Ophthalmic Optics I	3	2	4	Ophthalmic Optics I	3	2	4
Theoretical Optometry I	3	2	4	Theoretical Optometry I	3	2	4
Human Anatomy & Physiol.	3	2	4	Human Anatomy & Physiol.	3	2	4
General Histology	2	2	3	Ocular Histology	2	2	3
Neuro-Anatomy	2	0	2	Embryology	2	0	2
Abnormal Psychology	2	0	2	Statistics	1	0	1
	16	8	20		15	8	19

Second Year

First Semester	*Lect.*	*Lab.*	*Credit*	*Second Semester*	*Lect.*	*Lab.*	*Credit*
Ophthalmic Optics II	3	2	4	Ophthalmic Optics II	3	2	4
Theoretical Optometry II	4	4	6	Theoretical Optometry II	4	4	6
Theoretical Optics I	3	2	4	Theoretical Optics I	3	2	4
Physiological Optics I	3	2	4	Physiological Optics I	3	2	4
Ocular Anatomy	3	0	3	Ocular Anatomy	3	0	3
General Pathology	2	0	2	General Pathology	2	0	2
Contact Lenses I	1	2	2	Contact Lenses I	1	2	2
	19	12	25		19	12	25

Third Year

First Semester	*Lect.*	*Lab.*	*Credit*	*Second Semester*	*Lect.*	*Lab.*	*Credit*
Ophthalmic Optics III	3	2	4	Ophthalmic Optics III	3	2	4
Theoretical Optometry III	4	2	5	Theoretical Optometry III	4	2	5
Theoretical Optics II	3	2	4	Theoretical Optics II	3	2	4
Physiological Optics II	3	2	4	Physiological Optics II	3	2	4
Ocular Pathology	4	0	4	Ocular Pathology	4	0	4
Vis. Training & Orthoptics	2	0	2	Vis. Training & Orthoptics	2	0	2
Contact Lenses II	1	2	2	Contact Lenses II	1	2	2
Applied Ophthalmology	2	0	2	Biomicroscopy	2	0	2
	22	10	27		22	10	27

Fourth Year

First Semester	*Lect.*	*Lab.*	*Credit*	*Second Semester*	*Lect.*	*Lab.*	*Credit*
Applied Optometry	2	0	2	Applied Optometry	2	0	2
Behavioural Psychology and Spatial Orientation	2	0	2	Behavioural Psychology and Spatial Orientation	2	0	2
Public Health Optometry	1	0	1	Public Health Optometry	1	0	1
Practice Management	2	0	2	Practice Management	2	0	2
Visual Rehabilitation	1	0	1	Visual Rehabilitation	1	0	1
Ocular Pharmacology	1	0	1	Ocular Pharmacology	1	0	1
Clinical Optometry	0	12	6	Clinical Optometry	0	12	6
Optometry Seminar	2	0	2	Optometry Seminar	2	0	2
Ocular Motility	2	0	2				
	13	12	19		11	12	17

Medical Sciences

Human Anatomy and Physiology: This course includes the study of the essential features of human anatomy and physiology presented through lectures, and practical demonstrations with prepared human specimens, skeletons, models, and charts. The course is supplemented by laboratory exercises including experiments and studies of blood circulation, measurements of blood pressure, blood physiology, and some blood chemistry, including the study of action currents by means of electrocardiographs, frog and turtle experiments, experiments in physiology of nerves and muscles, action of digestive enzymes, and urinalysis. 3 hours lecture; 2 hours laboratory; 2 semesters; 8 hours credit.

Ocular Anatomy and Physiology: The purpose of this course is to give the student a thorough knowledge of the anatomy and physiology of the eye and its appendages. It consists of lectures, demonstrations, lantern slides, charts, models, and dissection of animal eyes. 3 hours lecture; 2 semesters; 6 hours credit.

Neuro-Anatomy: The anatomy of the spinal cord, brain stem, cerebral hemispheres, autonomic nervous system, and peripheral nerves. The course emphasizes the importance of the cranial nerves as related to the vision and ocular movements. 2 hours lecture; 2 semesters; 4 hours credit.

General and Ocular Histology: The purpose of this course is to give the students a knowledge of general histology with detailed knowledge of the structures of the eyeball and its appendages. The cell and fundamental tissue are considered basic and of primary importance in general and ocular anatomy and pathology. The lectures are supplemented by laboratory work including the study of microscope and lantern slides. 2 hours lecture; 2 hours laboratory; 2 semesters; 6 hours credit.

Embryology: Basic principles of general embryology are presented which include the fertilization of an egg, and following the various phases of the fertilized egg up to the time of birth of the embryo. Emphasis is placed upon the detailed development of the human eye and some of the abnormalities that occur through faulty development. 2 hours lecture and demonstration; 1 semester; 2 hours credit.

OPTOMETRY

History of Optometry: This course includes the history and development of optics and optometry, organization of optometry, optometry and humanity, trend of optometry, optometry's contributions to visual science, problems confronting optometry, objectives of optometry. 1 hour lecture; 2 semesters; 2 hours credit.

Physiological Optics I: This is a study of the functions of the various parts of the eye associated with the phenomena of vision, including refraction and refractive errors, theories of accommodation, mechanism of accommodation, astigmatism, the schematic eye, cardinal points, catoptric images, axes and planes of the eye, aberrations, entoptic phenomena, and the optics of ophthalmometry, ophthalmoscopy, and retinoscopy. The course is supplemented by laboratory exercises and demonstrations. 3 hours lecture; 2 hours laboratory; 2 semesters; 8 hours credit.

Physiological Optics II: This is a continuation of Physiological Optics I dealing with the retina and retinal stimuli, including photopic and scotopic vision, afterimages, Weber's law, Fechner's law, critical fusion frequency, color vision, theories of color vision, color blindness, extra-ocular muscles, binocular vision, heterophorias, strabismus, accommodation and convergence, visual acuity and visual efficiency, visual projection, stereopsis, the Pulfrich phenomenon, stroboscopic motion, retinal images, aniseikonia, and eikonic magnification. The course is supplemented by laboratory exercises and demonstrations. 3 hours lecture; 2 hours laboratory; 2 semesters; 8 hours credit.

Theoretical Optometry I: This course is designed to prepare the student for actual clinical practice. The subjects presented are introductory in nature and serve to orient the student. The course includes nomenclature, terminology, definitions, measurement of vision, objective refraction methods, subjective refraction methods, check tests, contents of the trial case, ophthalmoscopy (supplemented by a large variety of lantern slides illustrating physiological and pathological variations from the normal), and the interrelationship of accommodation and convergence. This course is supplemented by demonstrations and practice exercises in all phases of instrumentation and by clinical practice of tests. 3 hours lecture; 2 hours laboratory; 2 semesters; 8 hours credit.

Theoretical Optometry II: This is a continuation of Theoretical Optometry I. It includes the study of refractive and muscular anomalies, accommodation and convergence reserves and relationship, external examining, history-taking, symptomatology, etiology, steropsis, contact lenses, and visual skills. Special emphasis is laid on the important features of a complete examination by methods of optometry. This course is supplemented by demonstrations and practice exercises in preparation for actual clinical practice on patients in the clinic. 4 hours lecture; 4 hours laboratory; 2 semesters; 16 hours credit.

Theoretical Optometry III: This is a continuation of Theoretical Optometry II. It includes the study of the psycho-physiology of tests conducted in routine examining from the standpoint of diagnostic and corrective procedures, visual field study, strabismus, and contact lenses. 4 hours lecture; 4 hours laboratory; 2 semesters; 12 hours credit.

Applied Optometry: Procedure in case analysis is covered, with particular attention to symptomatology, interpretation of the results of tests, syndromes, formation of diagnostic units, etiology, and corrective procedures. Clinical conference periods are devoted to the discussion and analysis of various cases examined in the clinic. 3 hours lecture; 2 semesters; 6 hours credit.

Ophthalmic Optics I: This is a study of the classification and description of ophthalmic lenses; physical characteristics of single vision lenses; prisms; decentration, neutralization, transposition and axis marking. Laboratory practice includes classification of lenses, axis marking, neutralization, decentration and edging. 3 hours lecture; 2 hours laboratory; 2 semesters; 8 hours credit.

Ophthalmic Optics II: This is a continuation of Ophthalmic Optics I and includes the theory and use of mechanical optics laboratory instruments; anisometropic imbalances; facial measurements and principles of adjusting glasses to the face. Surface grinding procedures are described, including lining up and calculating for lens

thicknesses. Laboratory practice includes advanced edging, assembling of zylonite and metal frames, and lining up of prisms. 3 hours lecture; 2 hours laboratory; 2 semesters; 8 hours credit.

Ophthalmic Optics III: This is a continuation of Ophthalmic Optics II and includes the consideration of special lenses such as iseikonic, corrected, high-index glass, absorption, and safety glasses. Bifocal and trifocal lenses are discussed in detail from both a theoretical and a practical standpoint. Laboratory practice includes assembling of lenses in rimless mountings; practice in facial measurements and adjusting of glasses to the face; use of mechanical optics laboratory instruments; lining up of bifocal lenses. 3 hours lecture; 2 hours laboratory; 2 semesters; 8 hours credit.

Clinical Optometry: This is a course in clinical training under the guidance and supervision of experienced clinical instructors in making complete optometric examinations. Preliminary examinations and diagnoses are made on out-patients by fourth year students serving as clinic internes. The interne's observations and conclusions are verified and discussed by the clinical instructors. 9 hours clinic; 2 semesters; 6 hours credit.

Visual Training and Orthoptics: This is a study of the history of orthoptics, visual skills routine and interpretation of results, visual training procedures in heterophorias and heterotropias, vision training in myopia, consideration of reading disabilities, training procedures in anomalous accommodative responses. 2 hours lecture and demonstration; 2 semesters; 4 hours credit.

Practice Management: This course includes the meaning of professionalism and the standards of professional conduct, a study of legal and ethical codes of optometry, problems of the legal and economic position of the optometrist, office practice, patient control, and inter-professional relationships. 2 hours lecture; 1 semester; 2 hours credit.

Theoretical Optics I: This is a general introduction to the study of optics. It treats of the fundamental principles and methods of geometrical optics underlying such subjects as lights, shadows, photometry, laws of reflection and refraction, reflection at curved surfaces, refraction at spherical surfaces, prisms, infinitely thin lenses. The lectures are supplemented by laboratory exercises and demonstrations. 3 hours lecture; 2 hours laboratory; 2 semesters; 8 hours credit.

Theoretical Optics II: This course is a continuation of Theoretical Optics I. It includes the study of Gaussian and Newtonian forms of lens equation, equivalence of thin lenses, Optical instruments, entrance and exit pupils, resolving and magnifying power of instruments, thick lenses, thin and thick compound systems, thin and thick prisms, and achromatic and aplanatic systems. This course will also include the latest theories of Physical Optics, which will cover theories of light, velocity of light, interference, diffraction, polarization, double refraction, and spectroscopy. The course is supplemented by laboratory exercises and demonstrations. 3 hours lecture; 2 hours laboratory; 2 semesters; 8 hours credit.

Optometry Seminar

This seminar will be an open discussion of the analysis and discussion of varied cases including diagnosis, etiology, prognosis, treatment, referral, consultation and professional communication. 2 hours lecture; 2 semesters; 2 hours credit.

Ocular Motility

This course will give consideration of ocular movements and action of the extra-ocular muscles. 2 hours lecture; 1 semester; 2 hours credit.

Contact Lenses I and II

This is a 2-year course. This course will include the historical development, physical and optical properties of contact lenses and their adaptation to the human eye. The fabrication of contact lenses and examination and fitting of contact lenses will be done in the laboratory and in the clinic. 1 hour lecture; 2 semesters each year; 2 hours credit.

Public Health Optometry

This course will include importance of vision performance in industry and schools; methods of supplying vision care by means of government assistance, in the armed forces, in health clinics and hospitals, group practice and prepaid and insurance programs. 1 hour lecture; 2 semesters; 1 hour credit.

Visual Rehabilitation

This course will include aniseikonia, low vision and geriatric optometry. 1 hour lecture; 2 semesters; 1 hour credit.

Pathology

Applied Ophthalmology: The aim of this course is to give the student a thorough knowledge of the ocular manifestations of systematic disorders. The course includes such subject matter as infections and infectious diseases, tuberculosis, virus infections, fungus infections, focal infections, drug and chemical intoxications, diseases of the nervous system, blood diseases, nutritional diseases, and diseases of the cardio-vascular system. 2 hours lecture; 2 semesters; 4 hours credit.

General Pathology, Bacteriology, Immunology: Material covered in this course consists of the study of the fundamentals of general pathology, bacteriology including immunology. The subject matter includes inflammation, repair, regeneration, retrograde changes, disturbances of circulation, contagious diseases, chemical poisons, vitamin deficiencies, endocrines, blood studies, disturbances of growth, the nervous system, and the gastro-intestinal tract. The course also deals with general and special bacteriology and the mechanism of immunity. 2 hours lecture; 2 semesters; 4 hours credit.

Ocular Pathology: This course aims to give the student careful and detailed instruction in the recognition of pathological conditions of the eyeball and its appendages and in the differentiation between healthy and unhealthy states. The didactic lectures are supplemented by lantern and microscopic slides of internal and external pathologies and by observation of pathology cases as demonstrated in the clinic. 4 hours lecture; 2 semesters; 4 hours credit.

Ocular Pharmacology

This course includes the role of drugs and their side effects as they relate especially to the eye — it will also make the student aware of the types and action of drugs used as they relate to the eye and vision. 1 hour lecture; 2 semesters; 1 hour credit.

Biomicroscopy

Academic and clinical knowledge of instrument — surveys all contemporary instruments — use of instrument in contact lens practice from pre-fitting procedures through fitting and to post-fitting care. 2 hours lecture; 1 semester; 2 hours credit.

Psychology

Abnormal Psychology: The purpose of this course is to make the student familiar with psychopathological states. Constant emphasis is placed on psychodynamics. The course begins with a brief history of psychopathology and the treatment of the mentally ill. This is followed by a study of the etiology, symptomatology and dynamics of the psychoneuroses, anxiety neurosis, conversion hysteria, the dissociations, affective neurosis, obsessive-compulsive and phobic states. Great stress is placed on the psychosomatic diseases. The course concludes with a discussion of the functional psychoses, the schizophrenias, manic-depressive psychoses and organic psychoses. 2 hours lecture; 1 semester; 2 hours credit.

Behavioural Psychology: The subject matter of this course is based on the hypothesis that seeing is more than vision. Both the visual reaction system and visual sensations are reviewed as basic to the psychological process of seeing. Emphasis is placed on the phenomenon of visual perception, including studies of the influence of psychological conditions of the organism of the perceptual process, attention in relation to perception, perception of space, movement, and form; illusions; and perception span. Consideration is given to perception training and the optometrical, psychological, and educational implications of the reading process and remedial problems. 2 hours lecture; 2 semesters; 4 hours credit.

Statistics

This course will include elementary treatment of basic ideas in probability and statistical inference. 1 hour lecture; 1 semester; 1 hour credit.

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